Title (en)
SYSTEMS AND METHODS FOR PATIENT-SPECIFIC DOSING

Title (de)
SYSTEME UND VERFAHREN FÜR PATIENTENSPEZIFISCHE DOSIERUNG

Title (fr)
SYSTÈMES ET PROCÉDÉS DE DOSAGE SPÉCIFIQUE AU PATIENT

Publication
EP 3298519 A1 20180328 (EN)

Application
EP 16720600 A 20160408

Priority
• US 201562145138 P 20150409
• US 2016026562 W 20160408

Abstract (en)
[origin: WO2016164665A1] This disclosure relates to determining a personalized dose of a pharmaceutical for an individual. First data representative of one or more characteristics of the individual prior to administration of the pharmaceutical is received, and second data representative of a measurement of a physiological parameter of the individual after administration of the pharmaceutical is received. A computational model having pharmacokinetic and pharmacodynamic components is used to generate a first target concentration and one or more first doses determined to likely achieve the first target concentration for the pharmaceutical. The computational model is updated to reflect the measurement of the physiological parameter. A second target concentration and one or more second doses determined to likely achieve the second target concentration are generated, wherein the update to the pharmacodynamic component of the computational model is used to predict that the second target concentration will have a therapeutic effect on the individual.

IPC 8 full level
G06F 19/00 (2018.01)

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DOCDB simple family (publication)
WO 2016164665 A1 20161013; AU 2016245862 A1 20180222; AU 2021205089 A1 20210812; AU 2023219844 A1 20230907; CA 2988724 A1 20161013; CA 2988724 C 20231010; EP 3298519 A1 20180328; EP 4050616 A1 20220831; HK 1252606 A1 20190531; IL 256145 A 20180228; IL 256145 B 20220101; SG 10202009369S A 20201029; US 11501863 B2 20221115; US 2016300037 A1 20161013; US 2023178203 A1 20230608

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